ELSEVIER

Journal of Hydrology 248 (2001) 225

Journal of Hydrology

www.elsevier.com/locate/jhydrol

Contents of Volume 248

Vol. 248 Nos. 1–4 **July 15, 2001**

Research Papers

The prediction of runoff flow directions on tilled fields
I. Takken, G. Govers, A. Steegen, J. Nachtergaele and J. Guérif 1
A multi-tracer study in a shallow aquifer using age dating tracers ^{3}H, ^{85}Kr, CFC-113 and SF_6 — indication for retarded transport of CFC-113
S. Bauer, C. Fulda and W. Schäfer 14
Regionalisation of the base flow index from dynamically simulated flow components — a case study in the Elbe River Basin
U. Haberlandt, B. Klöcking, V. Krysanova and A. Becker 35
Effects of spatial detail of soil information on watershed modeling
A.X. Zhu and D. Scott Mackay 54
Variability of annual rainfall partitioning for different sites and forest covers in Chile
A. Huber and A. Iroumé 78
Validating the use of caesium-137 measurements to estimate soil erosion rates in a small drainage basin in Calabria, Southern Italy
P. Porto, D.E. Walling and V. Ferro 93
Multivariate nonlinear prediction of river flows
A. Porporato and L. Ridolfi 109
Non-stationary approach to at-site flood frequency modelling I. Maximum likelihood estimation
W.G. Strupczewski, V.P. Singh and W. Feluch 123
Non-stationary approach to at-site flood frequency modelling II. Weighted least squares estimation
W.G. Strupczewski and Z. Kaczmarek 143
Non-stationary approach to at-site flood frequency modelling. III. Flood analysis of Polish rivers
W.G. Strupczewski, V.P. Singh and H.T. Mitosek 152
Modelling of water and sediment transport over grassed areas
A. Deletic 168
Analysis of sources of variability of runoff volume in a 40 plot experiment using a numerical model
J.A. Gómez, M.A. Nearing, J.V. Giráldez and E.E. Alberts 183
Thermal gradients as a tool for estimating groundwater advective rates in a coastal estuary: White Oak River, North Carolina, USA
L.A. Land and C.K. Paull 198
Character of the subglacial drainage system in the ablation area of Dokriani glacier, India, as revealed by dye-tracer studies
S.I. Hasnain, P.G. Jose, S. Ahmad and D.C. Negi 216
Erratum to "The Special Issue: Quantitative Precipitation Forecasting"; [Journal of Hydrology 239/1–4 (2000)] 224